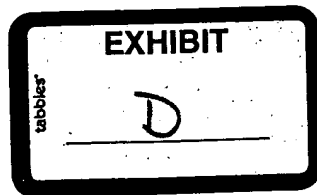
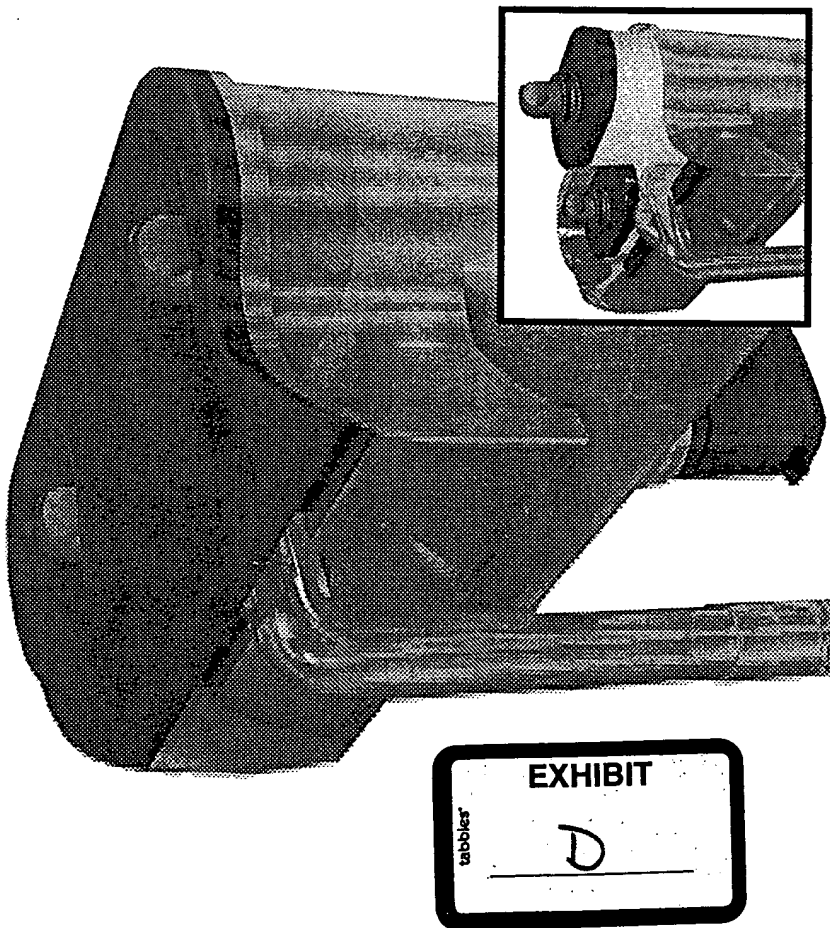


Kenossance

BRAVO™ 120/200/300 Power Filter System



Instructions & Warranty

54120 / 54200 / 54300

IMPORTANT SAFETY INSTRUCTIONS

Warning—To guard against injury, basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER—To avoid possible electric shock, special care should be taken in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.

1. A. If the appliance falls into the water, DON'T reach for it! First unplug it and then retrieve it.
If electrical components of the appliance get wet, unplug the appliance immediately.
- B. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.
- C. Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
- D. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner. Inspect power cord insulation to be sure there are no cuts or exposed wire. If so, discard and order a new replacement motor.
- E. If, for unforeseen reasons, the filter is allowed to run dry for an extended period of time, the motor must be removed and examined under a strong light to determine if the plastic surfaces have been warped or melted. If so, discard and order a new replacement motor.
- F. To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop," shown below, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, that prevents water from traveling along the cord and coming into contact with the receptacle. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.

2. Close supervision is necessary when any appliance is used by or near children.
3. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.
4. Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
5. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
6. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
7. Make sure an appliance mounted on a tank is securely installed before operating it.
8. Read and observe all the important notices on the appliance.
9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

AQUARIUM TANK

APPLIANCE

POWER
SUPPLY
CORD

DRIP
LOOP

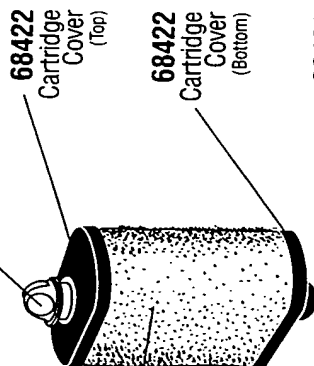
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SAVE THESE INSTRUCTIONS

BRAVO™ Model 120

pumps up to 120 gallons per hour

68421
Cartridge Tube
with Adjustable
Flow Control Knob

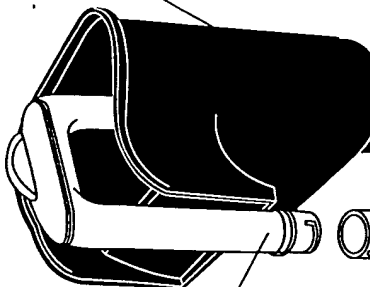


58071
ALL-IN-ONE
Filter Cartridge
- contains 2 activated carbon
packs which are removable
when medicating fish

68422
Cartridge
Cover
(Top)

68422
Cartridge
Cover
(Bottom)

68401
Filter Box
- compact design fits
easily onto the back
of most aquariums



68419
Intake
Tube
- Threaded
Intake Tube
and Strainer
Twist-Lock
together
securely

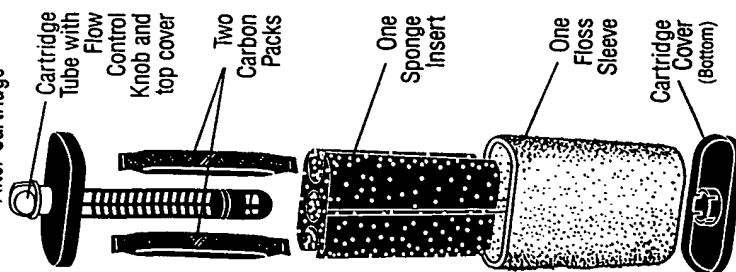
68413
Impeller
Magnet
Assembly
- for motor unit

68418
Adjustable
Strainer
- Size of openings
may be reduced
to keep small fish
from being sucked
into the tube.
NOTE: Flow rate will
be slower when
openings are
reduced in size.

68412
"O"-Ring
- for motor unit

68402
Motor Unit
- sealed, self-priming motor
is powerful and quiet

BRAVO™ ALL-IN-ONE™ Filter Cartridge



Cartridge
Tube with
Flow
Control
Knob and
top cover

Two
Carbon
Packs

One
Sponge
Insert

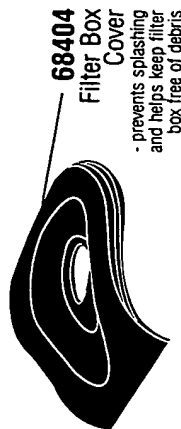
One
Floss
Sleeve

Cartridge
Cover
(Bottom)

ONE CARTRIDGE REQUIRED

BRAVO™ Model 200

pumps up to 200 gallons per hour



68421
Cartridge Tube
with Adjustable Flow
Control Knob

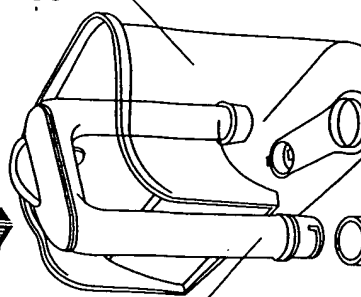
58071
ALL-IN-ONE
Filter Cartridge
- contains 2 activated carbon
packs which are removable
when medicating fish

68420
Refillable
Media Chamber
- lets you add more carbon or
other types of filtering materials

68422
Cartridge
Cover
(Top)

68422
Cartridge
Cover
(Bottom)

68403
Filter Box
- compact design fits
easily onto the back
of most aquariums



68419
Intake
Tube
- Threaded
Intake Tube
and Strainer
Twist-Lock
together
securely

68417
Extension
Tube
- for deeper
aquariums

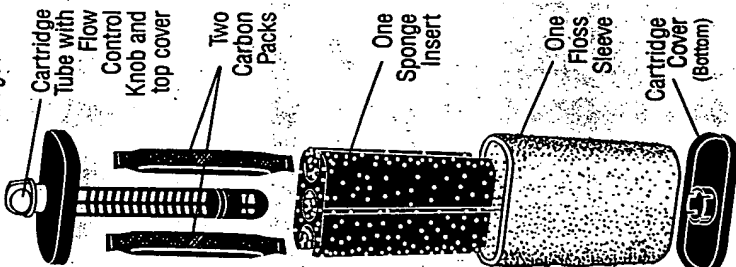
68414
Impeller
Magnet
Assembly
- for motor unit

68412
"O"-Ring
- for motor unit

68418
Adjustable
Strainer
- Size of openings
may be reduced
to keep small fish
from being sucked
into the tube.
NOTE: Flow rate will
be slower when
openings are
reduced in size.

68405
Motor Unit
- sealed, self-priming motor
is powerful and quiet

BRAVO™ ALL-IN-ONE™ Filter Cartridge



Cartridge
Tube with
Flow
Control
Knob and
top cover

Two
Carbon
Packs

One
Sponge
Insert

One
Floss
Sleeve

Cartridge
Cover
(Bottom)

ONE CARTRIDGE REQUIRED

BRAVO™ Model 300

pumps up to 300 gallons per hour

68407
Filter Box Cover
- prevents
splashing and
helps
keep
filter
box free
of debris

68422
Cartridge
Cover
(Top)

68422
Cartridge
Cover
(Bottom)

68406
Filter Box
- compact design
fits easily onto
the back of
most
aquariums

68415
Impeller
Magnet
Assembly
- for motor
unit

68412
"O"-Ring
- for motor unit

68408
Motor Unit
- sealed, self-priming motor
is powerful and quiet

68421
Cartridge Tube
with Adjustable Flow
Control Knob

58071
ALL-IN-ONE
Filter Cartridge
- contains 2 activated carbon
packs which are removable
when medicating fish

68420
Refillable
Media Chamber
- lets you add more carbon or
other types of filtering materials

BRAVO™
ALL-IN-ONE™
Filter Cartridge

68419
Intake Tube
- Threaded
Intake Tube
and Strainer
Twist-Lock
together securely

68417
Extension
Tube
- for deeper
aquariums

68418
Adjustable
Strainer
- Size of
openings may
be reduced to
keep small fish
from being
sucked into the
tube. NOTE: Flow
rate will be slower
when openings
are reduced in size.

68419
Cartridge
Tube with
Flow
Control
Knob and
top cover

Two
Carbon
Packs

One
Sponge
Insert

One
Floss
Sleeve

Cartridge
Cover
(Bottom)

TWO CARTRIDGES REQUIRED

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Renaissance

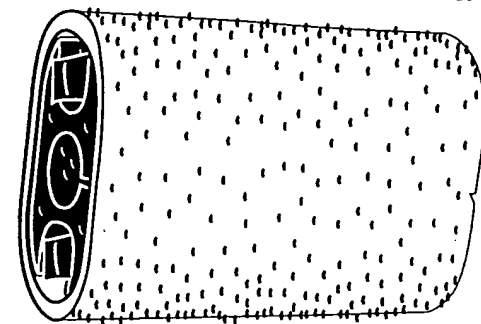
BRAVO ALL-IN-ONE

Aquarium Filter Cartridges

One Size Cartridge Fits All Filter Models

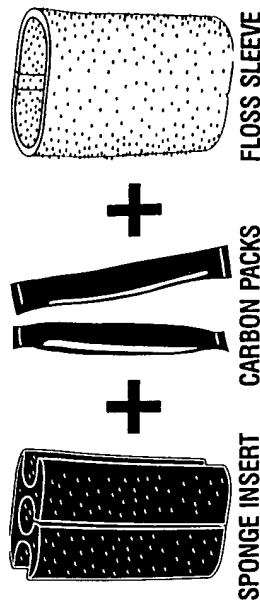


Filter Cartridges have easy-to-use hook strips. If your **BRAVO** Power Filter uses two or more cartridges it is recommended that you replace only one of the Filter Cartridges at a time. This will help to quickly establish an aerobic bacteria growth on the new Cartridge. Aerobic bacteria growth is an essential part of the natural life cycle in a healthy aquarium.



BRAVO™

ALL-IN-ONE Filter Cartridges provide an extra large surface area for superior biological, chemical and mechanical water filtration.



For The Best Filter Performance:

- Filter Cartridges should be changed every 2 to 4 weeks to help keep aquarium water sparkling clean and healthy for your fish.
- Filter Carbon Packs become less effective quickly and should be replaced frequently.
- Floss Sleeves can be rinsed off a few times before replacing.
- Sponge Inserts will last a long time and may be rinsed off indefinitely.

Sponge Inserts, Carbon Packs and Floss Sleeves Are Also Available Separately

ALL-IN-ONE™

Sponge Insert

Replace Sponges As Necessary

If your **BRAVO** Power Filter uses two or more cartridges it is recommended that you replace only one of the Sponge Inserts at a time. This will help to quickly establish an aerobic bacteria growth on the new Sponge. Aerobic bacteria growth is an essential part of the natural life cycle in a healthy aquarium.



ALL-IN-ONE™

2 Carbon Packs

Replace Carbon Packs Frequently

If your **BRAVO** Power Filter uses two or more cartridges it is recommended that you replace only one set of the Carbon Packs at a time. This will help to quickly establish an aerobic bacteria growth on the new Carbon Packs. Aerobic bacteria growth is an essential part of the natural life cycle in a healthy aquarium.

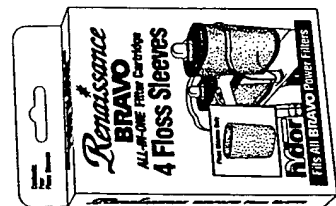


ALL-IN-ONE™

4 Floss Sleeves

Replace Floss Sleeves Frequently

If your **BRAVO** Power Filter uses two or more cartridges it is recommended that you replace only one of the Floss Sleeves at a time. This will help to quickly establish an aerobic bacteria growth on the new Floss Pad. Aerobic bacteria growth is an essential part of the natural life cycle in a healthy aquarium.

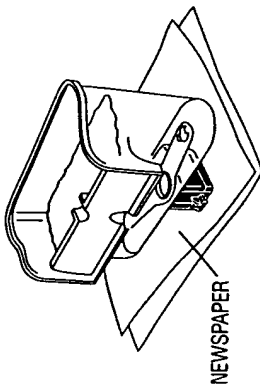


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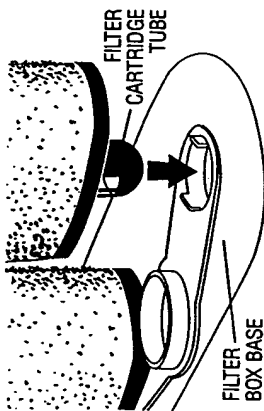
Dear Hobbyist,
We thank you for purchasing this high quality aquarium filtration product. The **BRAVO** Power Filter System incorporates the most technically advanced and up-to-date design for back-hanging aquarium filters. Please read the following instructions very carefully to help you to appreciate the features and characteristics of the system.

How To Set Up The **BRAVO**™ Power Filter System

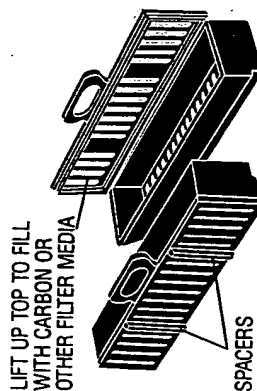
- 1 Remove the **ALL-IN-ONE** Filter Cartridge(s) and all other filter parts from the package. First check to be sure that none of the filter components has been damaged during shipment.
NOTE: Carefully inspect the Filter Box. Place filter on newspaper, fill with water and check for leaks. Empty all water from the Filter Box.



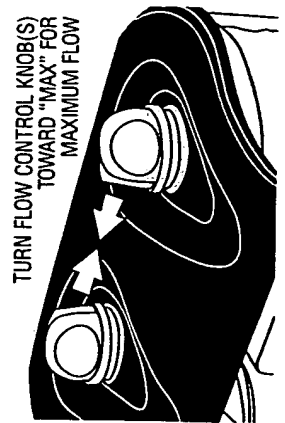
- 2 Place the **ALL-IN-ONE** Filter Cartridge(s) back into the Filter Box. Be sure that the Filter Cartridge tube(s) are fully inserted into the base of the Filter Box. Hang filter on back of aquarium. Add Extension Tube (models 200 & 300 only) to Intake Tube if desired. Attach Strainer and place the Intake Tube assembly into the Filter Box.
NOTE: Gently twist Extension Tube and Strainer until they lock onto the Intake Tube.



- 3 **FOR ADDED CHEMICAL FILTRATION** Media Chambers (models 200 & 300 only) are supplied without filter media. Open top of the Chamber to add additional filter carbon or other types of filtration materials (Sold Separately). Close cover and place Media Chamber onto the ledge in filter overflow area. **NOTE:** The spacers on the Media Chamber must be facing the aquarium.



- 4 Pour about 16 ounces of water into the Filter Box. Place cover on Filter Box (models 200 & 300 only). Turn Flow Control Knob(s) to the full open (MAX) position and plug in the power cord. The filter will start siphoning automatically. **NOTE:** Flow can be reduced at feeding times or to cut back on the suction power of the Intake Tube if you have small or delicate fish.



HOW DOES THE **BRAVO** POWER FILTER SYSTEM WORK?

The **BRAVO** is a pressure filter. In pressure filters, aquarium water is drawn up into the filter box thru the intake tube. The water is then powered thru the filter box channels by the impeller. This action forces the water up into the filter cartridge tube and out into the filter box thru the sponge, carbon and floss filter materials. This completely filtered water then fills up the filter box and overflows back into the aquarium. This type of filtration assures that water drawn into the filter box passes through the filter media before going back into the aquarium.

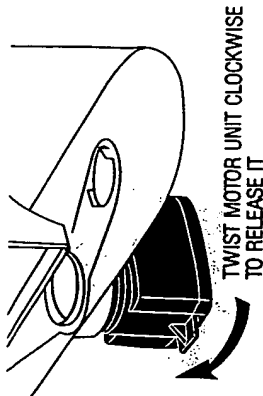
HOW TO CLEAN THE **BRAVO** POWER FILTER

For the best filter performance, the complete filter box, motor unit, impeller magnet assembly and intake tube assembly should be cleaned regularly.

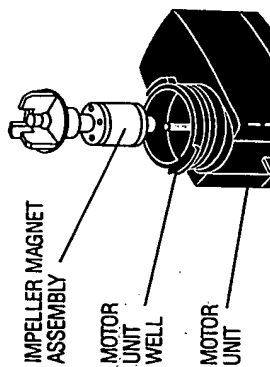
NOTE: Use only warm water and a clean cloth. Do not use soap or detergents.

How To Remove And Replace The **BRAVO**™ Motor Unit

- 1 Unplug the power cord, remove the Intake Tube Assembly and the **ALL-IN-ONE** Filter Cartridge(s) from the Filter Box. Remove filter from back of the aquarium and empty all water from it. Grasp the Motor Unit with one hand and the Filter Box with the other hand. Carefully twist the Motor Unit clockwise until it releases from the bottom of the Filter Box.

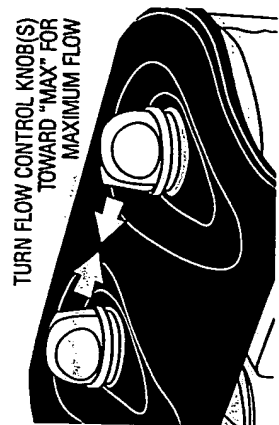


- 2 Remove and clean the Impeller Magnet Assembly and Motor Unit Well. Place the Impeller Magnet Assembly back into the Motor and reassemble the Motor Unit to the Filter Box.



NOTE: Carefully twist Motor counter-clockwise until it is firmly sealed against the opening of the Filter Box.

- 3 Fill box with water and check for leaks. Empty all water from Filter Box. Insert Filter Cartridge(s) and place filter back onto the aquarium. Place Intake Tube Assembly into Filter Box and pour about 16 ounces of water into the Filter Box. Replace cover and turn Flow Control Knob(s) to the full open (MAX) position and plug in power cord. Filter will begin siphoning automatically. **NOTE:** Flow can be reduced at feeding times or to cut back on the suction power of the Intake Tube if you have small or delicate fish.



Best Available Copy

PLEASE NOTE:

- This filter is intended for indoor use only.
- Be sure that the line cord and motor unit are undamaged before plugging in the filter.
- The line cord of this filter cannot be replaced or repaired; if it becomes damaged it will be necessary to replace the complete motor unit.

NOTE: ALWAYS DISCONNECT ALL ELECTRICAL EQUIPMENT BEFORE PUTTING YOUR HANDS IN WATER.

One Year Limited Warranty

This **BRAVO** Aquarium Power Filter is warranted, for a period of one year from date of purchase, against defects in material and workmanship. **RENAISSANCE** will replace or repair defective parts free of charge when the complete product is returned postpaid to **RENAISSANCE INTERNATIONAL, INC.** with the original sales slip showing date of purchase. Please include \$6.00 to cover shipping and handling. This Limited Warranty does not cover any type of damage to the filter, livestock or personal property caused by accident, misuse or abuse.

CONSUMER HELPLINE: (888) 777-7744

BRAVO Replacement Parts

PART DESCRIPTION	BRAVO 120	BRAVO 200	BRAVO 300
Filter Box Cover	68404	68404	68407
Filter Box	68401	68403	68406
Motor Unit	68402	68405	68408
Impeller Magnet Assembly	68413	68414	68415
Motor Unit "O"-Ring	68412	68412	68412
Intake Tube	68419	68419	68419
Extension Tube	68417	68417	68417
Adjustable Strainer	68418	68418	68418
Refillable Media Chamber	68420	68420	68420
Cartridge Tube/Flow Control Knob	68421	68421	68421
Cartridge Cover (Top/Bottom)	68422	68422	68422

If your dealer does not stock replacement parts please call us toll free or write to:

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